

solaredge SolarEdge Power Optimizer

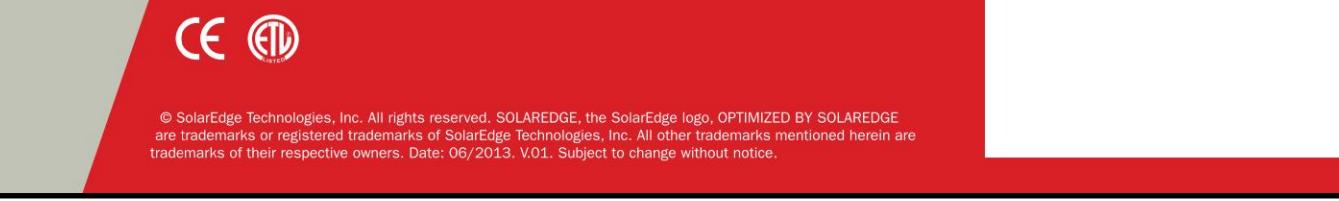
Module Add-On for North America

OP250-LV / OP300-MV / OP400-MV / OP400-EV

INPUT	OP250-LV	OP300-MV	OP400-MV	OP400-EV	W
Rated Input DC Power*	250	300	400	400	
Absolute Maximum Input Voltage (Vdc)	55	75	75	125	Vdc
Min. Operating Range	5.35	5.75	5.75	15-125	Vdc
Maximum Short Circuit Current (Isc) of connected PV	10	10	10	7	Adc
Module					
Maximum DC Input Current	12.5	12.5	12.5	8.75	Adc
Module Efficiency					%
Weighted Efficiency					%
Overvoltage Category	II				
OUTPUT DURING OPERATION (POWER OPTIMIZER CONNECTED TO OPERATING INVERTER)					
Maximum Output Current	15				Adc
Operating Output Voltage	5-60				Vdc
Safety Output Voltage per Power Optimizer	1				Vdc
STANDARD COMPLIANCE					
FCC	FCC Part 15 Class B, IEC61000-6-2, IEC61000-6-3				
Safety	IEC62109-1 (class II safety), UL1741				
Material	UL-94 (5-VA), UV Resistant				
RoHS	Yes				
INSTALLATION SPECIFICATIONS					
Maximum Allowed System Voltage	1000				Vdc
Dimensions (W x L x H)	143 x 210 x 45	5.63 x 8.26 x 1.75			mm / in
Weight	450 / 1.0				lb / gr
Input Connector	M24 / Type H5 / Amphenol - H4				
Output Wire Type	Double Insulated 6mm² MCM				
Output Wire Length	0.95 / 3.0	0.95 / 3.0	1.2 / 3.9	1.6 / 5.25	m / ft
Operating Temperature Range	-40 - +65 / -40 - +150				°C / °F
Protection Rating	IP65 / NEMA4				
Relative Humidity	0 - 100				%

* Rated ST power of the module. Module up to 5% power tolerance allowed.

PV SYSTEM DESIGN USING A SOLAREDGE INVERTER	SINGLE PHASE	THREE PHASE 208V	THREE PHASE 480V
Minimum String Length (Power Optimizers)	8	8	18
Maximum String Length (Power Optimizers)	25	25	50
Maximum Power per String	5250	6000	32750
Parallel Strings of Different Lengths or Orientations	Yes		



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